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(54) Title: DEVICE AND METHOD FOR MIXING MAGNETIC PARTICLES WITH A FLUID

(57) Abstract: This invention relates to the use of magnetic or magnetizable particles, and, in particular, to methods of mixing mag-  
netic or (super)paramagnetic particles efficiently with a fluid and the separation of the magnetic particles from a fluid, optionally  
followed by resuspension of the particles in another fluid. The present invention provides a method of mixing, in one or more con-  
tainer(s), magnetic or (super)paramagnetic particles with a fluid, using more than one magnets, whereby the containers are subjected  
to magnetic fields with different and changing directions by moving the magnets with respect to the position of the container(s) and/or  
by moving the containers with respect to the positions of the magnets. The invention further provided a device for doing the same.  
Preferably the holders for the containers and the magnets in the device are placed in intervening array geometries and the magnets  
are placed in line in such a way that all magnets that are in line have their poles oriented in the same direction, and that all magnets  
in a neighboring line have their poles oriented in the reverse direction with respect to the poles of the magnets in the first line.